CLAIMS

WHAT IS CLAIMED IS:

1. A method for the treatment of cancer comprising administering to a patient in need thereof an immunogenic composition capable of inducing active immunity against at least one angiogenesis-related antigen.

2. The method according to claim 1, wherein said immunogenic composition comprises an angiogenesis-related antigenic polypeptide.

3. The method according to claim 1, wherein said immunogenic composition comprises a nucleic acid encoding an angiogenesis-related antigenic polypeptide.

4. The method according to claim 1, wherein said immunogenic composition comprises a plurality of antigen presenting cells presenting at least one angiogenesis-related antigen on the surface.

5. The method of claim 4, wherein said antigen presenting cells are pulsed with at least one angiogenesis-related antigen peptide.

6. The method of claim 4, wherein said antigen presenting cells are transfected with mRNA encoding at least one angiogenesis related antigen.

7. The method of claim 4, wherein said antigen presenting cells are dendritic cells.

8. The method of claim 1 wherein said angiogenesis related antigen is selected from the group consisting of Id1, Id3, VEGF, VEGFR-2, angiopoietin and Tie-2.

9. The method of claim 6, wherein said antigen presenting cells are further transfected with mRNA encoding at least one tumor antigen.

10. A composition for the treatment or prevention of cancer comprising antigen presenting cells presenting at least one angiogenesis-related antigen.

11. The composition of claim 10, wherein said angiogenesis-related antigen is selected from the group consisting of Id1, Id3, VEGF, VEGFR-2, angiopoietin and Tie-2.

12. The composition of claim 10, wherein said antigen presenting cells are dendritic cells.

13. The composition of claim 10, wherein said antigen presenting cells are transfected with mRNA encoding at least one angiogenesis-related antigen.

14. The composition of claim 10, wherein said antigen presenting cells also present at least one tumor antigen.

15. The composition of claim 14, wherein said antigen presenting cells are transfected with mRNA encoding at least one tumor antigen.

16. A method of treating cancer comprising the steps of:

i. obtaining antigen presenting cells from a cancer patient

ii. introducing into those cells *in vitro,* mRNA encoding an angiogenesis-related antigen and mRNA encoding a tumor antigen, thereby producing transfected antigen presenting cells and

iii. administering said transfected antigen presenting cells to said patient.

17. A method of treating cancer comprising the steps of:

i. obtaining antigen presenting cells from a cancer patient;

ii. transfecting the antigen presenting cells *in vitro,* with mRNA encoding an angiogenesis-related antigen and mRNA encoding a tumor antigen;

iii. contacting the transfected antigen presenting cells of step ii with T-lymphocytes to generate immune cells; and

iv. administering the immune cells to said cancer patient.

18. The method according to claim 2 wherein said immunogenic composition further comprises a tumor antigen.